

Amendments to the Specification:

Please replace the paragraph beginning at page 13, line 16, with the following rewritten paragraph:

--Figure 2 shows a radio station which can be a mobile station MS, consisting of an operating unit or interface unit ~~MIMMI~~, a control device STE, a processing device VE, a power supply device SVE, a receiving device EE and, if appropriate, a transmitting device SE.--

Please delete the Abstract from page 24 of the substitute specification (lines 1-8), and insert the following paragraph on a separate sheet:

--ABSTRACT OF THE DISCLOSURE

Method for forming and determining a signal sequence, a synchronization method, a transmitting unit and a receiving unit, including the formation of signal sequences that are based on partial signal sequences, the second partial signal sequence being repeated and modulated in the process by the first partial signal sequence, and at least one of the signal sequences being a Golay sequence, and use of these partial signal sequences for the purpose of simplified calculation of correlation sums in a two-stage calculation method, with one partial correlation sum sequence being calculated first.--